

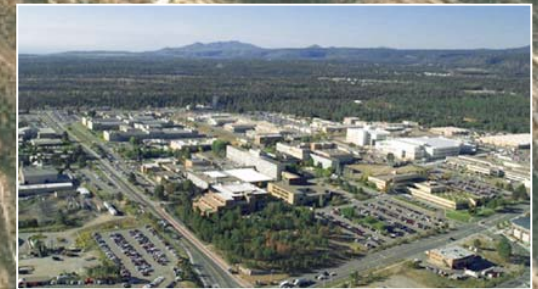
# Briefing For Industry

**Teresa C. Trujillo**  
**Supply Chain Management**  
**Los Alamos National Laboratory**

**August 11, 2004**



**The World's Greatest Science**  
**Protecting America**





# Los Alamos National Laboratory

**Vision:** The trusted, competitive, scientific solution for today's & tomorrow's national security challenges.

**Mission:** Develop and apply science and technology to

- Ensure the safety and reliability of the U.S. nuclear deterrent
- Reduce the threat of WMD, proliferation, & terrorism
- Solve national problems in defense, energy, environment, & infrastructure

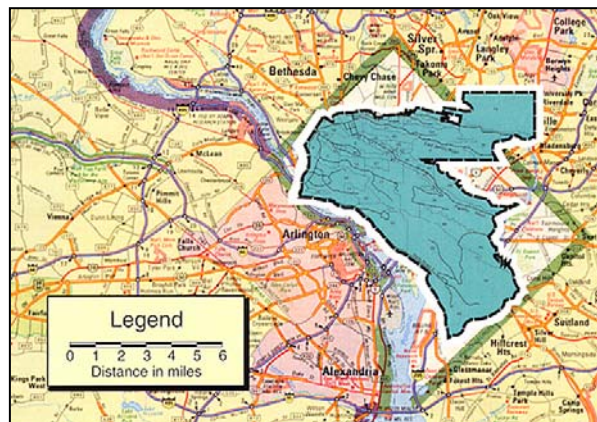
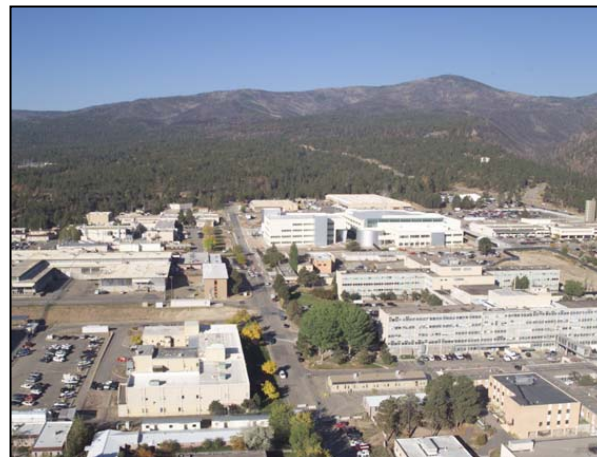
**Core Values:**

- Service to the nation
- Integrity and openness
- Passion for excellence and innovation
- Personal accountability
- Respect for others
- Teamwork



# Lab Overview

- Site description
  - 36.5 square miles of operations
  - Over 2000 buildings
  - Over 12,000 workers
  - Nuclear material operations
    - 17 nuclear facilities
  - Classified operations
    - ~100 security areas for classified operations
- Operations span the globe

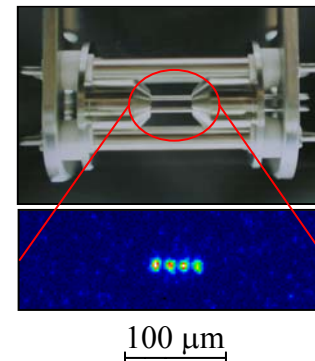
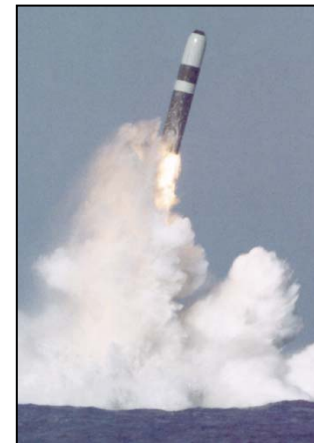
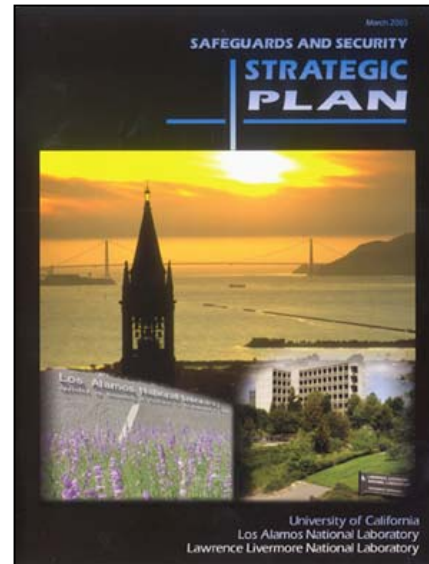




# Los Alamos' Top Five Performance Priorities

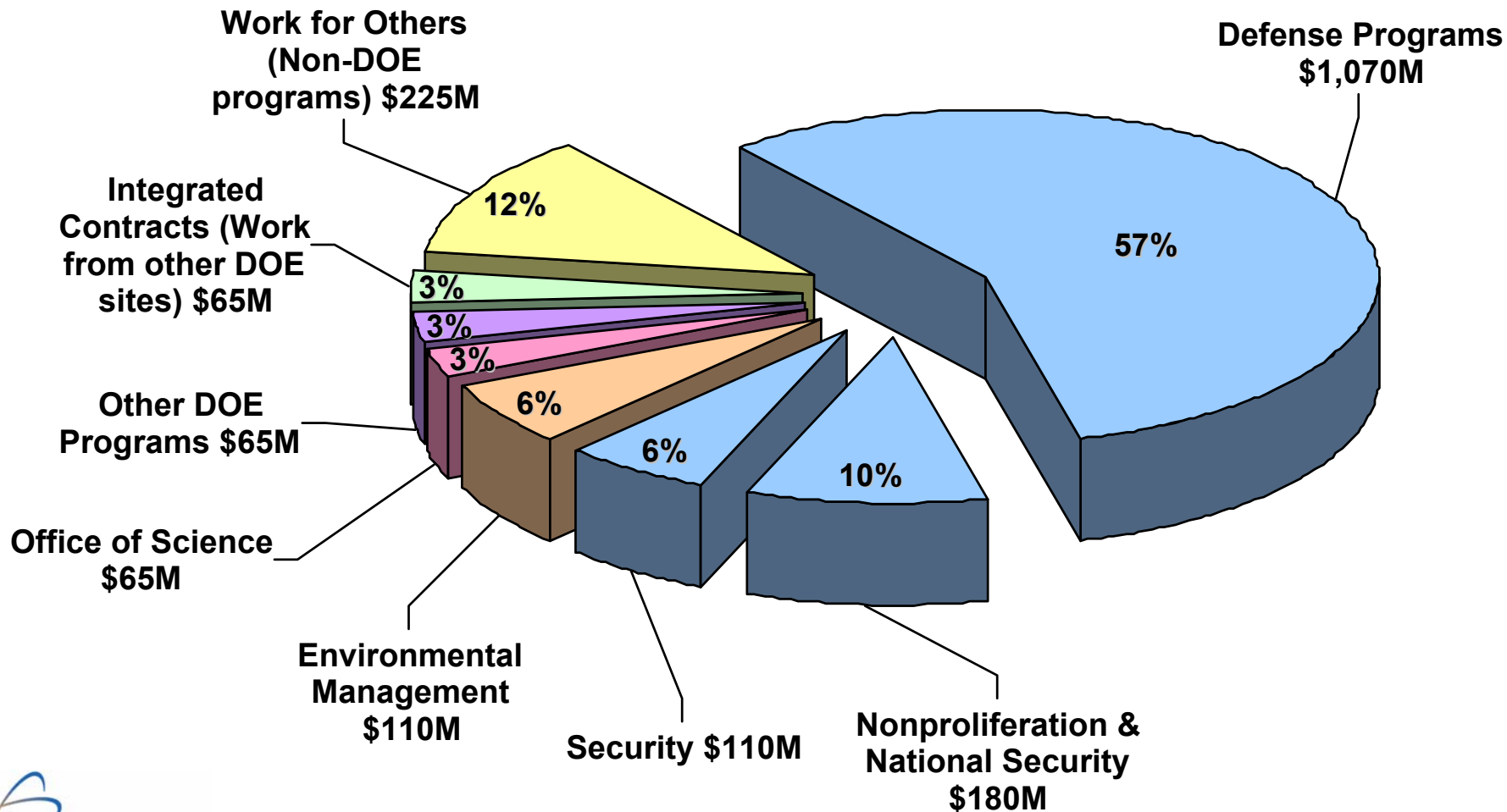
**Top 5 performance priorities provide a framework for our work over the next 10 years:**

- Safety, security, compliance, environment
- National security mission
  - Nuclear weapons
  - Threat reduction
- Outstanding science in support of our mission
- Business operations and management practices
- Community partnerships



# LANL Operating Costs

## FY04 Estimate = \$1,890M



**We serve the nation by developing and applying the best science and technology to make the world a better and safer place**

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### Threat Reduction



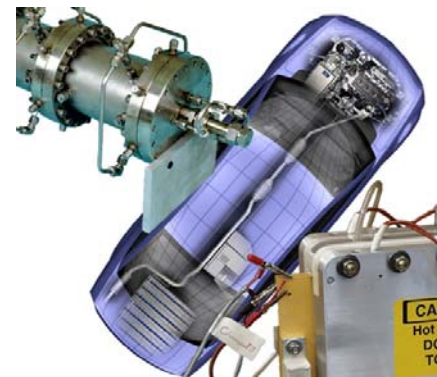
**Vehicle Monitoring  
Deployed in Russia**

### Nuclear Weapons



**B61-11**

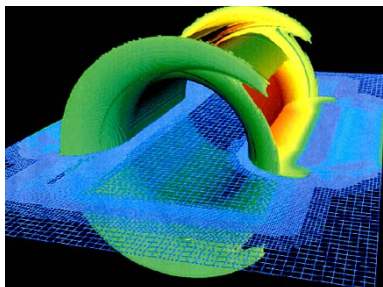
### Strategic Research



**Fuel Cell**

***“Our first priority must always be the security of our nation...” President George Bush, January 29, 2002, State of the Union address***

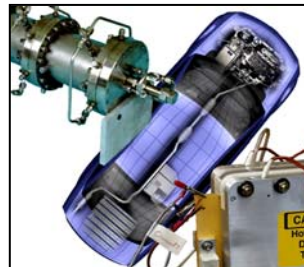
# Los Alamos National Laboratory manages a large and complex set of programs



**Large-Scale Simulation  
Stockpile Stewardship**



**Pit  
Manufacturing**



**Fuel Cell**



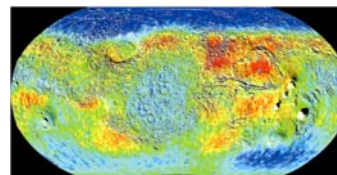
**Nuclear Response**



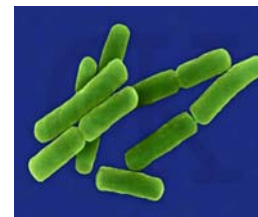
**B61-11**



**W76, W78, W88  
for Trident &  
Minuteman III**



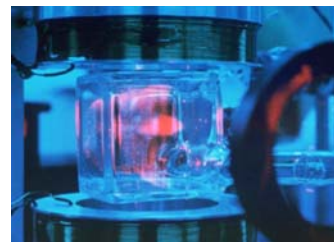
**Neutron Spectrometer  
Map of Mars**



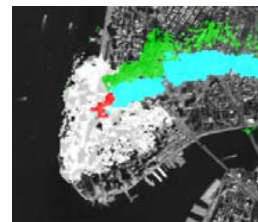
**Advanced  
Characterization  
of Biological Agents**



**W80 for Advanced  
Cruise Missile**



**Atom Trapping  
and Cooling**



**Multispectral Thermal  
Imager and GENIE**



# Infrastructure Revitalization

## Ten-Year Comprehensive Site Plan



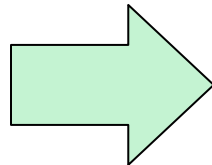
**Integrated  
Nuclear  
Planning**



**Integrated  
Nuclear  
Complex**



**Alternative Financing**



**Los  
Alamos  
Science  
Complex**

**Facility/Laboratory  
Modernization**



# Potential LANL Facilities and Infrastructure Contracting Opportunities

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- FY05 projects identified as having "good" probability of funding may be solicited in Q4 FY04 or Q1 FY05.
- Remaining FY05 construction projects expected to be solicited in either Q2 or Q3 of FY05 (when the LANL FY05 budget is known).
- Projects identified as having a "low" probability do not have specific funding identified at this point.
- Contact for all projects: Moe Zamora (505) 665-6578  
moe@lanl.gov

# Potential FY05 LANL Construction/Maintenance Projects

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Projects	Funding Probability	Estimated Value
• Electrical Infrastructure Safety	Good	\$ 3.5M - \$ 5M
• IM-Division Office Building Replacement	Good	\$ 3.5M - \$ 5M
• Reconfigure TA-39-98; Close 39-2, 39-103, 39-07	Good	\$ 1M - \$ 2M
• HVAC/Electrical Upgrade, MPF-6	Good	\$ 500K - \$ 1M
• FY05 FIRP Funded D&D. (Multiple individual D&D projects)	Good	\$ 2M - \$ 4M
• Communication Shop Building	Good	\$ 1M - \$ 2M
• RRES Division Waste Disposal Support	Fair	\$ 3.5M - \$ 5M



# Potential FY05 LANL Construction/Maintenance Projects

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Projects	Funding Probability	Estimated Value
• CCF/LDCC Cooling and Power Improvements	Fair	\$ 1M - \$ 2M
• Upgrade of HVAC and Installation of Chemical Fume Hoods	Fair	\$ 500K - \$ 1M
• 115kV Transmission System Protection	Fair	\$ 1M - \$ 2M
• TA-53 Substation 115kV Ring Bus Upgrade	Fair	\$ 1M - \$ 2M
• TA-3-261 Retrofit HVAC VAV Boxes	Low	\$ 500K - \$ 1M
• W. Jemez From Casa Grande to West Road	Low	\$ 1.5M - \$ 3M

# Potential FY06 LANL Construction/Maintenance Projects

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Projects	Funding Probability	Estimated Value
<ul style="list-style-type: none"> <li>FY06 FIRP Funded D&amp;D (Multiple individual D&amp;D projects)</li> <li><b>Note:</b> may be Federally contracted</li> </ul>	Good	\$ 3M - \$ 5M
<ul style="list-style-type: none"> <li>Electrical Infrastructure Safety Upgrade (TA 15)</li> </ul>	Good	\$ 1.5M - \$ 3M
<ul style="list-style-type: none"> <li>Electrical Infrastructure Safety Upgrade (TA-3)</li> </ul>	Good	\$ 1M - \$ 2M
<ul style="list-style-type: none"> <li>Electrical Infrastructure Safety Upgrade (TA-35)</li> </ul>	Good	\$ 3.5M - \$ 5M
<ul style="list-style-type: none"> <li>Buildings 32 &amp; 34 Revitalization (TA 3)</li> </ul>	Good	\$ 2M - \$ 4M
<ul style="list-style-type: none"> <li>Steam to Hot Water Heating Conversion Project (TA 9)</li> </ul>	Good	\$ 2M - \$ 4M



# Potential FY06 LANL Construction/Maintenance Projects

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Projects	Funding Probability	Estimated Value
• Anchor Ranch Road South	Fair	\$ 1M - \$ 2M
• Badge Office	Fair	\$ 3.5M - \$ 5M
• Lujan Center Neutron Production Target System	Fair	\$ 1M - \$ 2M
• Renovate MPF-3 Sector R and MPF-1 Basement	Low	\$ 2M - \$ 4M
• Gas Transfer System (TA 16)	Low	\$ 3.5M - \$ 5M
• Upgrade to central auditorium (TA-16)	Low	\$ 250K - \$ 750K

# Potential FY06 LANL Construction/Maintenance Projects

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Projects	Funding Probability	Estimated Value
• LANSCE Lab/Office Building	Low	\$ 2M - \$ 4M
• TA-8 Radiography Upgrades	Low	\$ 2M - \$ 4M
• Trip Hazard Mitigation	Low	\$ 250K - \$ 750K
• Anchor Ranch Road North	Low	\$ 1M - \$ 2M
• SUP-3 Office Building	Low	\$ 3.5M - \$ 5M
• Theoretical Division Office Building	Low	\$ 3.5M - \$ 5M



# Potential FY06 LANL Construction/Maintenance Projects

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Projects	Funding Probability	Estimated Value
• Computer Science Laboratory	Low	\$ 3.5M - \$ 5M
• Performance Surety Office Building	Low	\$ 3.5M - \$ 5M
• Electronic Mobile Compact Shelving	Low	\$ 3.5M - \$ 5M
• Center for Homeland Security Support Facility	Low	\$ 3.5M - \$ 5M
• TA-48 RC-45 Chemistry Laboratory Addition	Low	\$ 1M - \$ 2M
• Bioinformatics and Computational Biology Office Bldg	Low	\$ 3.5M - \$ 5M

# "Just In Time" (JIT) Contracting Opportunities

## Solicitation Planned for Q2 FY05

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- LANL will "unbundle" JIT's to ensure maximum small business participation
- Close to 60% will be solicited as competitive 8(a) or small business set-asides (SBSA)
- JIT reduces or eliminates the need to maintain and issue large inventories
- All JIT's will be issued for 3 years with 2 one year options.

# Just-In-Time Contracting Opportunities

## Solicitation Planned for Q2 FY05

<u>Description</u>	<u>Value</u>	<u>Solicitation Method</u>
• Computer Networking Hardware/ Related Accessories (3 COM)	\$ 18 M for 5 years	8(a) competitive
• Xerox Printers & Related Hardware/Accessories	\$ 5 M for 5 years	8(a) competitive
• HP Printers, Scanners/ Related Hardware & Accessories	\$ 20 M for 5 years	8(a) competitive
• Industrial Supplies: mechanical power transmission equipment, v-belts, sheaves, bushings, ball-bearings, electric motors etc.	\$ 580 K for 5 years	Open
• Dell Computers	\$ 100 M for 5 years	SBSA
• Compaq and HP Products	\$ 8 M for 5 years	8(a) Competitive or SBSA



# Just-In-Time Contracting Opportunities

## Solicitation Planned for Q2 FY05

<u>Description</u>	<u>Value</u>	<u>Solicitation Method</u>
• Computer Software: commercial off the shelf, shrink wrapped for mathematical engineering & scientific applications	\$ 8 M for 5 years	SBSA
• Computer Monitors	\$ 8 M for 5 years	SBSA
• Computer Hard Drives/ Related Accessories (memory, media, storage devices etc.)	\$ 12.5 M for 5 years	SBSA
• Apple Computers	\$ 25 M for 5 years	SBSA
• Tools & Misc. Items	\$ 17 M for 5 years	Open
• Industrial Machinery (saw & milling, grinding, punching, woodworking, etc.)	\$ 5 M for 5 years	Open

# Just-In-Time Contracting Opportunities

## Solicitation Planned for Q2 FY05

<u>Description</u>	<u>Value</u>	<u>Solicitation Method</u>
• Consumable Office Supplies: pencils, erasers, staplers, etc.	\$ 13 M for 5 years	SBSA
• Specialty Paper of exceptional size and color	\$ 5 M for 5 years	SBSA
• Office Accessories: clocks, dry erase boards, step stools, etc.	\$ 1.2 M for 5 years	SBSA
• Office Misc.: luggage carts, books & pamphlets, business forms, etc.	\$ 1 M for 5 years	SBSA
• Non-Computer Office Machines laminating, bookbinding, calculators, etc.	\$ 335 K for 5 years	8(a) Competitive

*Note: Broad categories for office supplies are not firmly established. Market surveys will influence decisions. Government codes (such as UNSPC) will be used to distinguish categories in the solicitation.*

# Just-In-Time Contracting Opportunities

## Solicitation Planned for Q2 FY05

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<u>Description</u>	<u>Value</u>	<u>Solicitation Method</u>
• Metals	\$ 7.5 M for 5 years	SBSA
• Fasteners	\$ 1 M for 5 years	SBSA
• Photograph Supplies	\$ 1.2 M for 5 years	SBSA
• Welding Supplies	\$ 1.375 M for 5 years	Open
• Electrical Wire & Cable	\$ 2.75 M for 5 years	Open
• Vacuum Products	\$ 9.5 M for 5 years	Open

# Just-In-Time Contracting Opportunities

## Solicitation Planned for Q2 FY05

<u>Description</u>	<u>Value</u>	<u>Solicitation Method</u>
• Plumbing Equipment: refrigerator air conditioning, fire hydrants, etc.)	\$ 5 M for 5 years	Open
• Plumbing Products & Supplies: hoses, tubes, valves, etc.	\$ 6 M for 5 years	Open
• Electrical & Electronic (multiple awards): switches, wires, conduits, etc.	\$ 30 M for 5 years	Open
• Custodial Supplies	\$ 5 M for 5 years	8(a) or SBSA
• Bulk Paper (Computer)	\$ 3.2 M for 5 years	SBSA
• Packaging & Other Paper Supplies: mailing, drums, over packs, hazmat packaging	\$ 920 K for 5 years	SBSA



# Just-In-Time Contracting Opportunities

## Solicitation Planned for Q2 FY05

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<u>Description</u>	<u>Value</u>	<u>Solicitation Method</u>
• Chemicals	\$ 36.2 M for 5 years	Open
• Safety Equipment	\$ 3 M for 5 years	Open
• Laboratory Supplies	\$ 18 M for 5 years	Open
• Plastic Products	\$ 2.2 M for 5 years	Open
• Honeywell and Johnson Control Products (2 awards): (micro-switches, control valves etc.)	\$ 1 M for 5 years each	Open
• Contact for Just-In-Time: Laura Lovato (505) 665-4286 lauralovato@lanl.gov		

# Environmental Operations Support Services (EOSS)

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Description: Decontamination, decommissioning, remediation, and spill response; ecological, natural, and cultural resource support; assessment, assurance, and environmental engineering; multi media sampling and environmental monitoring; and process support which includes training, security, and emergency response. PAAA and radiation implications.

Estimated Value: \$55 M over 5 years

Small Business Set-aside - 5 awards

Release Date: Q4 FY2004

Contact: Allyn R. Pratt (505) 667-4308  
pratt\_a@lanl.gov

# Site Characterization & Remediation (TA-21)

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Description: Complete the environmental surface and subsurface characterization of the site and perform corrective measure studies and appropriate remedial actions. PAAA and radiation implications.

Estimated Value: \$30 M over 5 years

Estimated Release Date: Q2 FY2005

Contact: Bill Criswell (505) 665-5886  
bcriswell@lanl.gov

# Site Characterization & Remediation (TA-54)

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Description: Surface and subsurface investigations to include drilling, designing and constructing earth caps. PAAA and radiation implications.

Estimated Value: \$25M over 3 years

Estimated Release Date: Q1 FY05

Contact: Bill Criswell (505) 665-5886  
bcriswell@lanl.gov



# Remediation of Material Disposal Area B - TA-21

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Description: Land transfer parcel from DOE to LA County. "Muck and truck" approx. 4000 cubic meters of material. Must confirm to DOT regulations. PAAA, radiation, and waste disposal implications.

Estimated Value: \$17 M over 2 years (complete turnkey contract)

Estimated Release Date: Q4 FY2004

Contact: Bill Criswell (505) 665-5886  
bcriswell@lanl.gov

# Enterprise Project

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Description: Assist in the development of an overall business systems design and project plan for LANL. Will include the input for project baseline, schedule, milestone and resource requirements for all phases of the project. The four sections of the scope are functional and technical specialist services, transition management services and report writing.

Estimated Value: \$24 M over 2 years with 1 year option

Estimated Release Date: Q1 FY05

Small Business set-aside: up to 4 awards

Contact: Moe Zamora (505) 665-6578  
moe@lanl.gov

# Advanced Simulation and Computing (ASC) Program Follow-on to ASC “Q” Supercomputer at LANL

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Description: A follow-on (approximately 100 TeraOps) system is required in support of NNSA's Advanced Simulation and Computing Program. The required system is a continuation of the ASC platform strategy that is a critical component of NNSA's Stockpile Stewardship Program.

Estimated Value: \$100M over 3 years

Release Date: Q2 FY05

Contact/Phone: Patrick Padilla (505)667-9782  
papadilla@lanl.gov

# LOS ALAMOS INTEGRATED COMMUNICATIONS SYSTEM (LAICS) TELECOMMUNICATIONS SITE SUPPORT SERVICES

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Description: Maintenance of the Los Alamos Integrated Communications System, including on-site support of voice, data, and video communications at the Laboratory.

Estimated Value: \$50 M over 5 years

Release Date: Q1 FY05

Potential Small Business Set-Aside: A Request for Information (RFI) will be issued during FY04 to assess the capabilities of interested parties. Responses to the RFI will be evaluated prior to any set-aside determination.

Contact/Phone: Patrick Padilla (505) 667-9782  
papadilla@lanl.gov



# Looking for Information?

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- Internet Resources:
  - LANL Internet Site: [www.lanl.gov](http://www.lanl.gov)
  - Federal Business Opportunities: [www.fedbizops.gov](http://www.fedbizops.gov)
  - SUP-1: <http://supply.lanl.gov/procurement>
  - SUP-4: <http://sbo.lanl.gov> – BFI Slides will be available here
- Laboratory Small Business Advocacy (LSBA):  
[http://www.lanl.gov/orgs/cr/cr\\_lsba.shtml](http://www.lanl.gov/orgs/cr/cr_lsba.shtml)
  - Toll Free Phone: 1-800-472-9861
  - Fax: (505) 665-4411
  - Email: [lsba@lanl.gov](mailto:lsba@lanl.gov)